

AMENDMENT TO

SEATTLE CITY LIGHT WORK ORDER #87-14
GEORGETOWN TANK, SLUDGE & SOIL TESTING; and
DETERMINING EXTENT OF OIL-BEARING FILL
AT GEORGETOWN STEAM PLANT CONCRETE TANK

SAMPLING PLAN: Drill first test hole south of the present trench at the edge of the berm. Drill two test holes, at angles from the tank center, 30° from the first. If no oil is found, drill test holes 15° from the first. If oil is found, drill holes 60° from the first. If no oil is found, drill holes 45° from the first. Continue this pattern until the oil-bearing penetration flume is bracketed. A few samples of oily material will be archived from each hole.

Drilling logs will be produced that include lithographic observations to satisfy DOE requirements. A short report of the tests will be produced and include a description of the test hole activities in the trench.

BUDGET:

Field:

Startup		\$ 90
Raven Project Manager	8 @ \$47/hr	376
MBE Myriad Driller	8 @ \$29/hr	232
Raven 15% MBE Carrying Charge		34.80

Office:

Raven Project Manager	5 @ \$45/hr	225
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Other Costs:

MBE Vibracorer + tubing		250
Raven 15% MBE Carrying Charge		37.50
Archive sample jars		5
Travel	15 @ .25/mile	<u>3.75</u>

Subtotal		\$ 1,254.05
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OTHER COSTS:

(Concrete tank trench bore hole, diesel tank confirmation, consulting with SCL engineers 11/6/87):

Raven Project Manager	6 @ \$47/hr	\$ 282
Raven Project Engineer	4 @ \$37/hr	148

(Meet with John Rostin of Myriad to plan tank cleanup, drill test hole to 21 ft. 11/17/87):

FIELD:

Raven Project Manager	3 @ \$47/hr	141
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(Drill Test hole to 26 ft., barricade top 11/19/87):

FIELD:

Raven Project Manager	4 @ \$47/hr	188
WBE Assistance	4 @ \$40/hr	160
Raven WBE Carrying Cost @ 15%		24

OTHER COSTS:

Travel	28 @ .25/mile	7
MBE Lab Analysis:		
PCB Analysis	1 @ \$35/each	35
Oil & Grease	1 @ \$25/each	25
Raven MBE Carrying Cost @ 15%		<u>9</u>

Subtotal	\$ 1,019.00
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TOTAL AMENDMENT	\$ 2,273.05
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NEW TOTAL BUDGET	<u>\$15,532.95</u> 15,870.95
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